

DRILL STEM TEST REPORT

Prepared For: **CMX, Inc.**

150 N. Main suite 1026
Wichita, Ks. 67202

ATTN: Ken LaBlanc

24-32S-12W

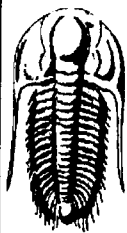
Krehbiel-Nichols#1

Start Date: 2004.01.29 @ 13:59:30

End Date: 2004.01.29 @ 19:26:00

Job Ticket #: 18744 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

CMX, Inc.
150 N. Main suite 1026
Wichita, Ks. 67202
ATTN: Ken LaBlanc

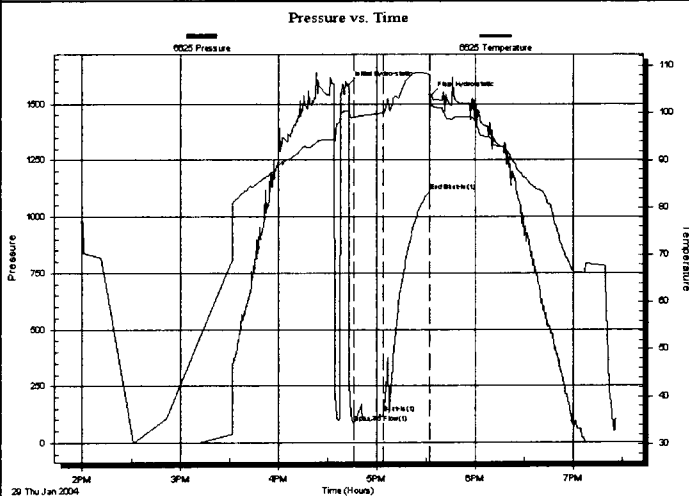
Krehbiel-Nichols#1
24-32S-12W
Job Ticket: 18744 **DST#: 1**
Test Start: 2004.01.29 @ 13:59:30

GENERAL INFORMATION:

Formation: **Elgin Sd.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:46:00
Time Test Ended: 19:26:00
Interval: **3320.00 ft (KB) To 3410.00 ft (KB) (TVD)**
Total Depth: 3410.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Darren L. Amerine
Unit No: 19
Reference Elevations: 1442.00 ft (KB)
1433.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6625 Inside
Press@RunDepth: 129.82 psig @ 3322.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.01.29 End Date: 2004.01.29 Last Calib.: 2004.01.29
Start Time: 13:59:35 End Time: 19:25:59 Time On Btm: 2004.01.29 @ 16:42:30
Time Off Btm: 2004.01.29 @ 17:32:45

TEST COMMENT: IF: Weak surface blow.
IS: No blow back. pull tool drillpipe hsd plug in it 1 std.out.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1583.18	100.53	Initial Hydro-static
4	83.03	99.09	Open To Flow (1)
22	129.82	100.11	Shut-In(1)
50	1112.62	108.24	End Shut-In(1)
51	1537.81	102.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3146' of gip	0.00
140.00	HGCM 10% gas 90% mud	1.96

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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TOOL DIAGRAM

CMX, Inc.
150 N. Main suite 1026
Wichita, Ks. 67202
ATTN: Ken LaBlanc

Krehbiel-Nichols#1
24-32S-12W
Job Ticket: 18744 **DST#: 1**
Test Start: 2004.01.29 @ 13:59:30

Tool Information

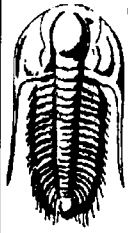
Drill Pipe:	Length: 3316.00 ft	Diameter: 3.80 inches	Volume: 46.51 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 46.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3320.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	114.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3297.00	
Shut In Tool	5.00			3302.00	
Change Over Sub	5.00			3307.00	
Safety Joint	3.00			3310.00	
Packer	5.00			3315.00	24.00 Bottom Of Top Packer
Packer	5.00			3320.00	
Stubb	2.00			3322.00	
Recorder	0.00	6625	Inside	3322.00	
Anchor	21.00			3343.00	
Recorder	0.00	10991	Outside	3343.00	
Blank Spacing	64.00			3407.00	
Bullnose	3.00			3410.00	90.00 Bottom Packers & Anchor

Total Tool Length: 114.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

CMX, Inc.
150 N. Main suite 1026
Wichita, Ks. 67202
ATTN: Ken LaBlanc

Krehbiel-Nichols#1
24-32S-12W
Job Ticket: 18744 **DST#: 1**
Test Start: 2004.01.29 @ 13:59:30

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: 0.70 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5200.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3146' of gip	0.000
140.00	HGCM 10% gas 90% mud	1.964

Total Length: 140.00 ft Total Volume: 1.964 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6625

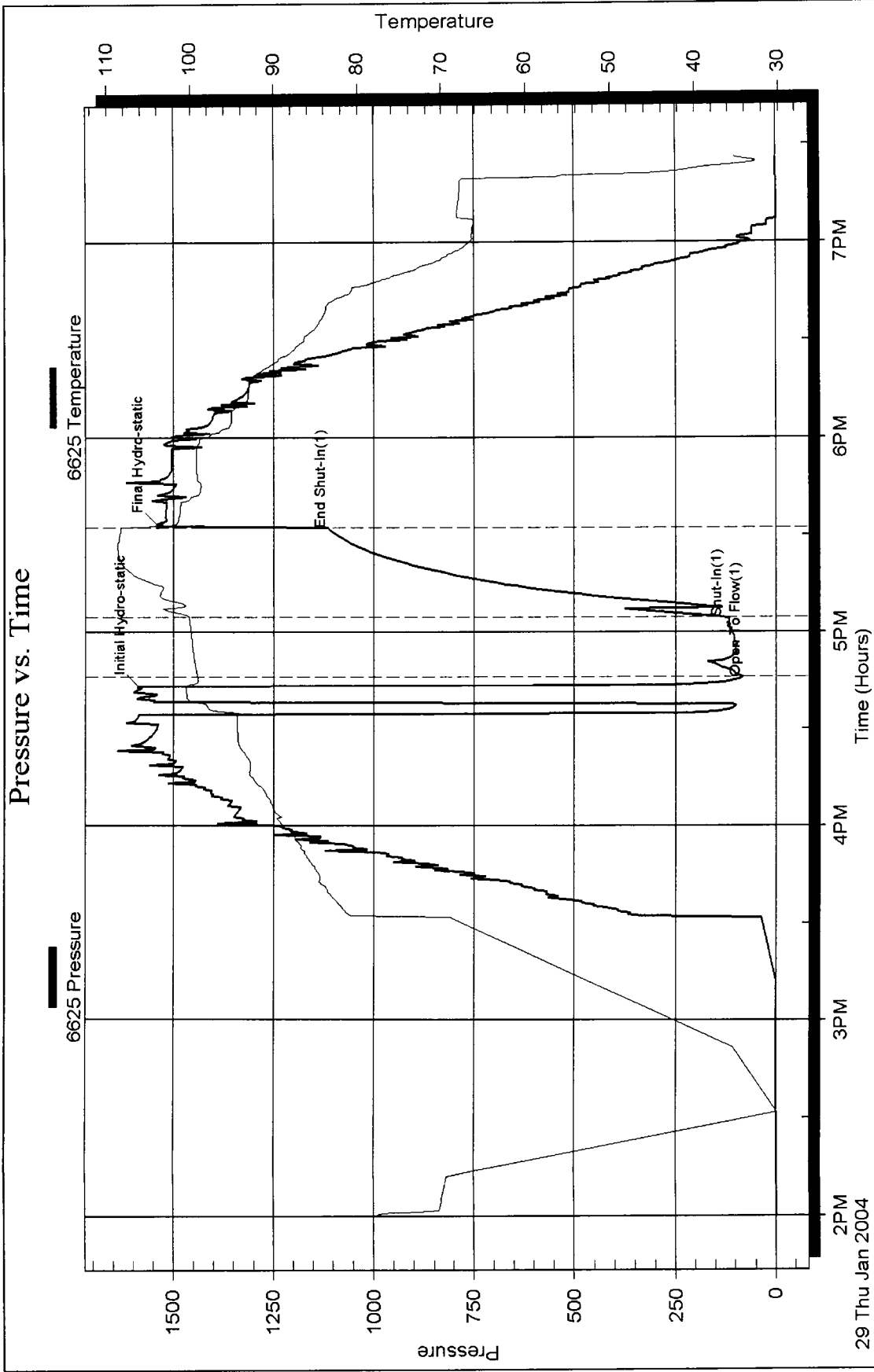
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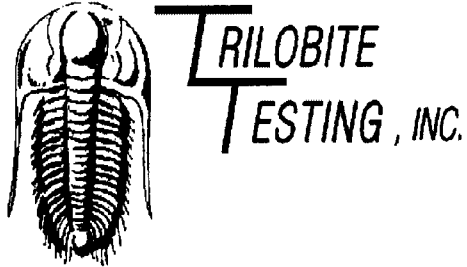
CMX, Inc.

24-32S-12W

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **CMX,Inc.**

150 N.Main suite 1026
Wichita,Ks.67202

ATTN: Ken LaBlanc

24-32S-12W

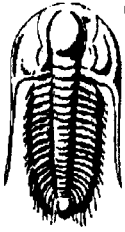
Krehbiel-Nichols#1

Start Date: 2004.01.29 @ 19:30:16

End Date: 2004.01.30 @ 01:46:31

Job Ticket #: 18745 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



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DRILL STEM TEST REPORT

CMX, Inc.
150 N. Main suite 1026
Wichita, Ks. 67202
ATTN: Ken LaBlanc

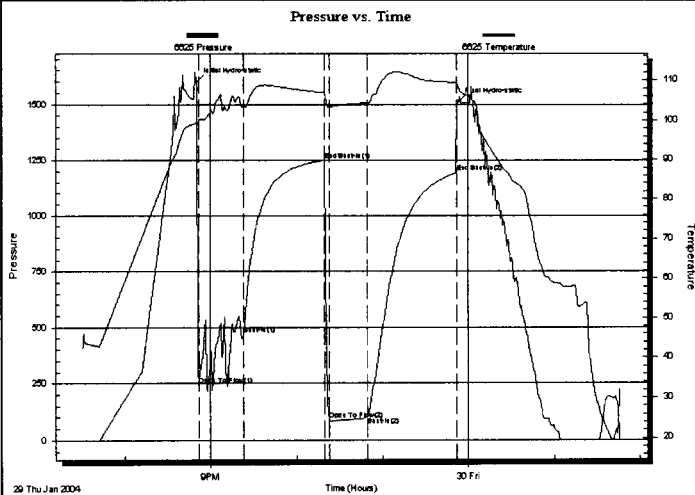
Krehbiel-Nichols#1
24-32S-12W
Job Ticket: 18745 **DST#: 2**
Test Start: 2004.01.29 @ 19:30:16

GENERAL INFORMATION:

Formation: **Elgin Sd.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:51:31
Time Test Ended: 01:46:31
Test Type: Conventional Bottom Hole
Tester: Darren L. Amerine
Unit No: 19
Interval: **3320.00 ft (KB) To 3410.00 ft (KB) (TVD)**
Reference Elevations: 1442.00 ft (KB)
Total Depth: 3410.00 ft (KB) (TVD) 1433.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 9.00 ft

Serial #: 6625 **Inside**
Press@RunDepth: 100.39 psig @ 3322.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.01.29 End Date: 2004.01.30 Last Calib.: 2004.01.30
Start Time: 19:30:21 End Time: 01:46:30 Time On Btm: 2004.01.29 @ 20:50:16
Time Off Btm: 2004.01.29 @ 23:52:46

TEST COMMENT: IF: Strong blow b.o.b of diesel in 15 sec. GTS in 20 mins. Gauge gas.
IS: Bled down n for 10 mins. no blow back.
FF: Strong blow b.o.b of diesel in 10 sec. gauge gas.
FS: Bled down n for 5 mins. no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1602.55	99.30	Initial Hydro-static
2	242.56	99.66	Open To Flow (1)
33	467.32	103.29	Shut-In(1)
90	1251.01	106.84	End Shut-In(1)
93	88.69	103.31	Open To Flow (2)
120	100.39	104.32	Shut-In(2)
182	1193.60	109.34	End Shut-In(2)
183	1511.00	108.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3126' of gip	0.00
190.00	GCM 10% gas 90% mud	2.67

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	26.02
Last Gas Rate		0.00	
Max. Gas Rate	0.25	10.00	38.71



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TOOL DIAGRAM

CMX, Inc.
150 N. Main suite 1026
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ATTN: Ken LaBlanc

Krehbiel-Nichols#1
24-32S-12W
Job Ticket: 18745 **DST#: 2**
Test Start: 2004.01.29 @ 19:30:16

Tool Information

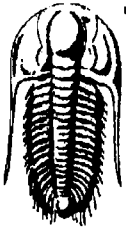
Drill Pipe:	Length: 3316.00 ft	Diameter: 3.80 inches	Volume: 46.51 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 46.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3320.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	90.00 ft			
Tool Length:	114.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3297.00	
Shut In Tool	5.00			3302.00	
Hydraulic tool	5.00			3307.00	
Safety Joint	3.00			3310.00	
Packer	5.00			3315.00	24.00 Bottom Of Top Packer
Packer	5.00			3320.00	
Stubb	2.00			3322.00	
Recorder	0.00	6625	Inside	3322.00	
Anchor	21.00			3343.00	
Recorder	0.00	10991	Outside	3343.00	
Blank Spacing	64.00			3407.00	
Bullnose	3.00			3410.00	90.00 Bottom Packers & Anchor

Total Tool Length: 114.00



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FLUID SUMMARY

CMX, Inc.
150 N. Main suite 1026
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ATTN: Ken LaBlanc

Krehbiel-Nichols#1
24-32S-12W
Job Ticket: 18745 **DST#: 2**
Test Start: 2004.01.29 @ 19:30:16

Mud and Cushion Information

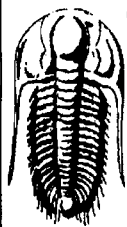
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in ³	Gas Cushion Type:		
Resistivity: 0.70 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5200.00 ppm			
Filter Cake: 0.32 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3126' of gip	0.000
190.00	GCM 10% gas 90% mud	2.665

Total Length: 190.00 ft Total Volume: 2.665 bbl
 Num Fluid Samples: 1 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Caraway Laboratory Location: Liberal, KS
 Recovery Comments:



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DRILL STEM TEST REPORT

GAS RATES

CMX, Inc.
150 N.Main suite 1026
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ATTN: Ken LaBlanc

Krehbiel-Nichols#1
24-32S-12W
Job Ticket: 18745 **DST#: 2**
Test Start: 2004.01.29 @ 19:30:16

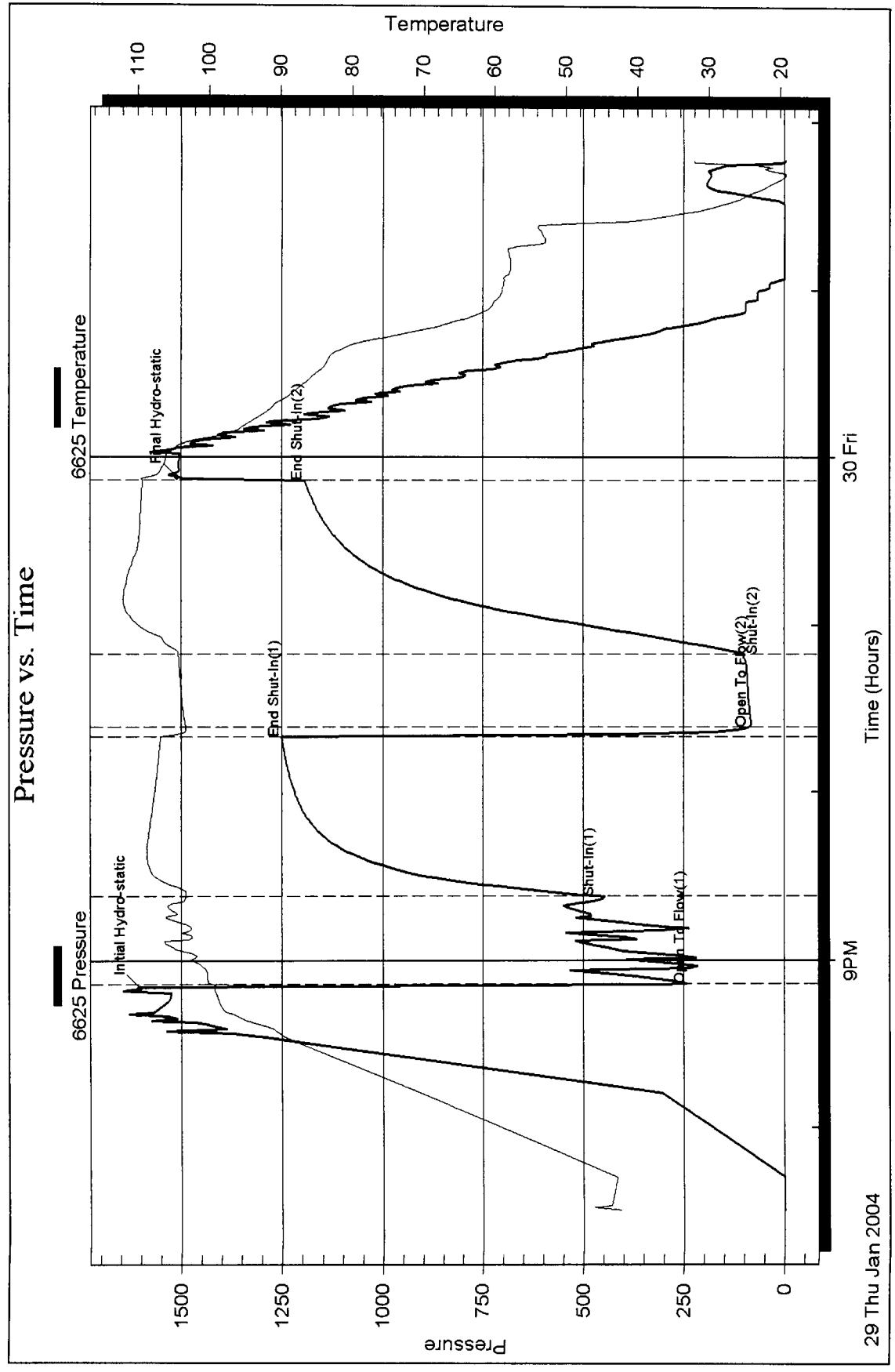
Gas Rates Information

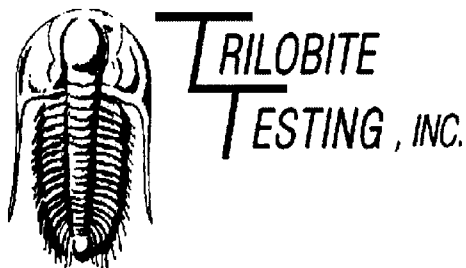
Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
1	25	0.25	2.00	26.02
1	30	0.25	3.00	27.60
2	5	0.25	10.00	38.71
2	10	0.25	10.00	38.71
2	15	0.25	9.00	37.12
2	20	0.25	6.50	33.16
2	25	0.25	5.00	30.78
2	30	0.25	3.50	28.40
0	0	-999999.00	0.00	-999999.00

Pressure vs. Time





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24-32S-12W

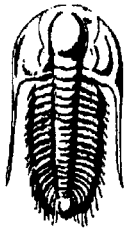
Krehbiel-Nichols#1

Start Date: 2004.01.30 @ 14:21:30

End Date: 2004.01.30 @ 22:56:15

Job Ticket #: 18746 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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DRILL STEM TEST REPORT

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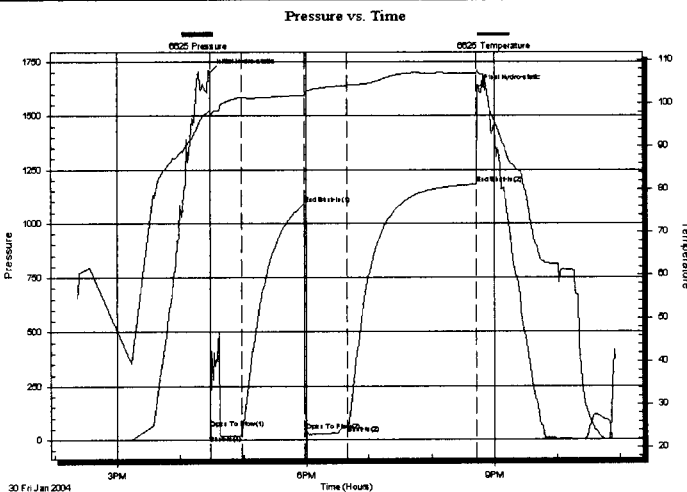
Krehbiel-Nichols#1
24-32S-12W
 Job Ticket: 18746 **DST#: 3**
 Test Start: 2004.01.30 @ 14:21:30

GENERAL INFORMATION:

Formation: **Snyderville SS.**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:29:00
 Time Test Ended: 22:56:15
 Interval: **3480.00 ft (KB) To 3540.00 ft (KB) (TVD)**
 Total Depth: 3540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Darren L.Amerine
 Unit No: 19
 Reference Elevations: 1442.00 ft (KB)
 1433.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6625 **Inside**
 Press@RunDepth: 66.12 psig @ 3482.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2004.01.30 End Date: 2004.01.30 Last Calib.: 2004.01.30
 Start Time: 14:21:35 End Time: 22:56:15 Time On Btm: 2004.01.30 @ 16:28:30
 Time Off Btm: 2004.01.30 @ 20:44:15

TEST COMMENT: IF: Strong blow b.o.b of diesel in 5-3/4 mins.
 IS: Bled down n for 10 mins. no blow back.
 FF: Strong blow b.o.b of diesel in 10 sec.
 FS: Bled down n for 5 mins. no blow back.



PRESSURE SUMMARY

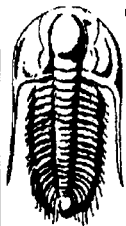
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1701.98	98.17	Initial Hydro-static
1	54.87	97.72	Open To Flow (1)
30	20.58	101.44	Shut-In(1)
90	1088.03	101.82	End Shut-In(1)
93	40.80	102.76	Open To Flow (2)
131	66.12	104.12	Shut-In(2)
255	1181.74	106.95	End Shut-In(2)
256	1626.93	107.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3431' of gip	0.00
45.00	SGCM 6% gas 94% mud	0.63

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX, Inc.
150 N. Main suite 1026
Wichita, Ks. 67202
ATTN: Ken LaBlanc

Krehbiel-Nichols#1
24-32S-12W
Job Ticket: 18746 **DST#: 3**
Test Start: 2004.01.30 @ 14:21:30

Tool Information

Drill Pipe:	Length: 3476.00 ft	Diameter: 3.80 inches	Volume: 48.76 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 48.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3480.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

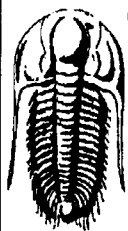
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Change Over Sub	1.00			3457.00	
Shut In Tool	5.00			3462.00	
Hydraulic tool	5.00			3467.00	
Safety Joint	3.00			3470.00	
Packer	5.00			3475.00	24.00 Bottom Of Top Packer
Packer	5.00			3480.00	
Stubb	2.00			3482.00	
Recorder	0.00	6625	Inside	3482.00	
Anchor	21.00			3503.00	
Recorder	0.00	10991	Inside	3503.00	
Blank Spacing	31.00			3534.00	
Bullnose	6.00			3540.00	60.00 Bottom Packers & Anchor

Total Tool Length: 84.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Krehbiel-Nichols#1

150 N.Main suite 1026
Wichita, Ks. 67202

24-32S-12W

Job Ticket: 18746

DST#: 3

ATTN: Ken LaBlanc

Test Start: 2004.01.30 @ 14:21:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.77 in³

Gas Cushion Type:

Resistivity: 0.80 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7400.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3431' of gip	0.000
45.00	SGCM 6% gas 94% mud	0.631

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6625

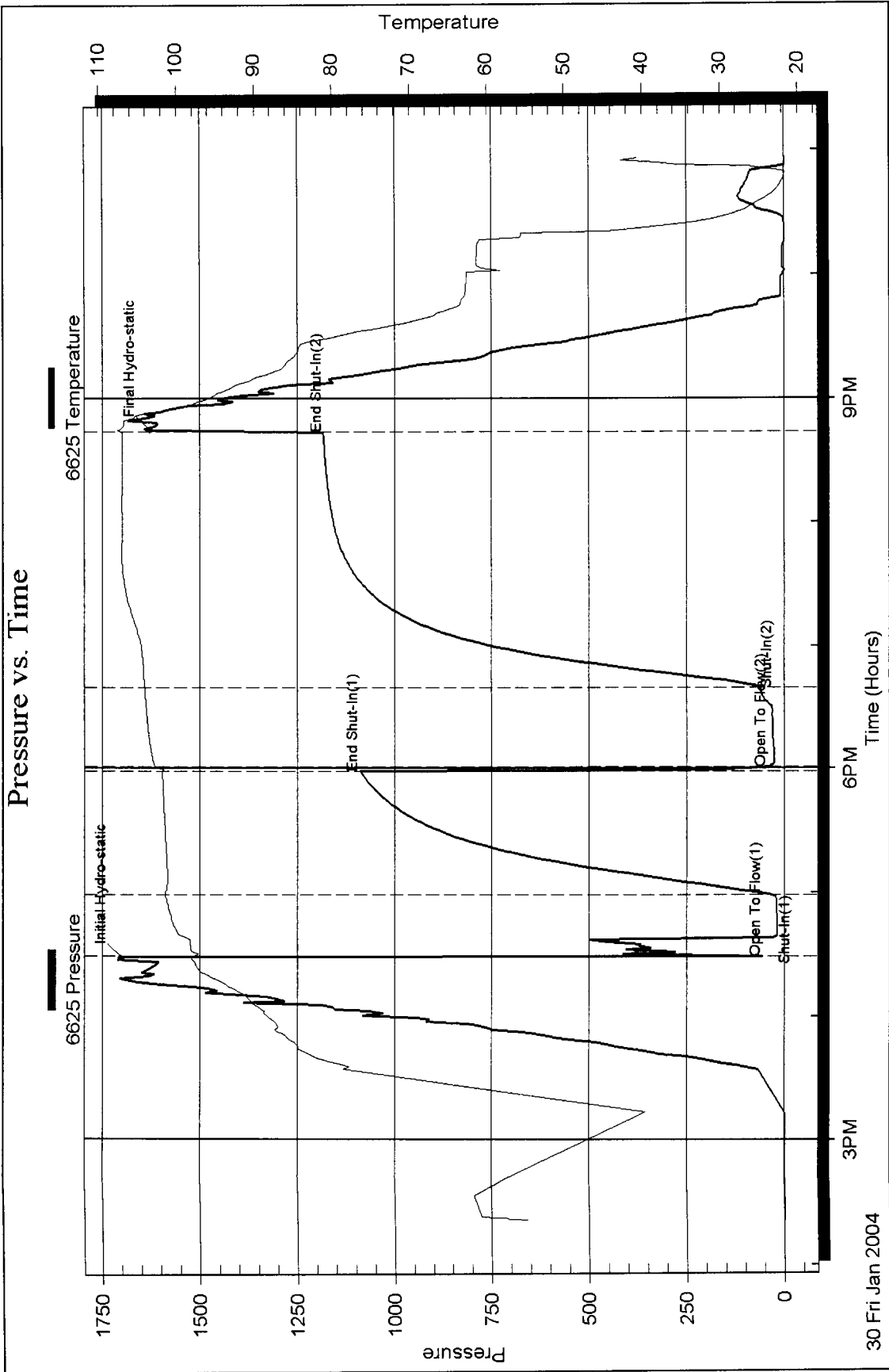
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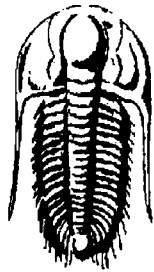
CMX, Inc.

24-32S-12W

DST Test Number: 3

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **CMX, Inc.**

150 N. Main suite 1026
Wichita, Ks. 67202

ATTN: Ken LaBlanc

24-32S-12W

Krehbiel-Nichols#1

Start Date: 2004.01.31 @ 07:07:19

End Date: 2004.01.31 @ 13:55:49

Job Ticket #: 18747 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

CMX, Inc.

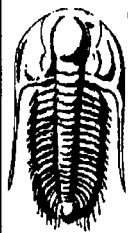
Krehbiel-Nichols#1

24-32S-12W

DST # 4

Douglas SS.

2004.01.31



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

CMX, Inc.
150 N.Main suite 1026
Wichita, Ks. 67202
ATTN: Ken LaBlanc

Krehbiel-Nichols#1
24-32S-12W
Job Ticket: 18747 **DST#: 4**
Test Start: 2004.01.31 @ 07:07:19

GENERAL INFORMATION:

Formation: **Douglas SS.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 09:12:49
Time Test Ended: 13:55:49
Interval: **3548.00 ft (KB) To 3570.00 ft (KB) (TVD)**
Total Depth: 3570.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Darren L.Amerine
Unit No: 19
Reference Elevations: 1442.00 ft (KB)
1433.00 ft (CF)
KB to GR/CF: 9.00 ft

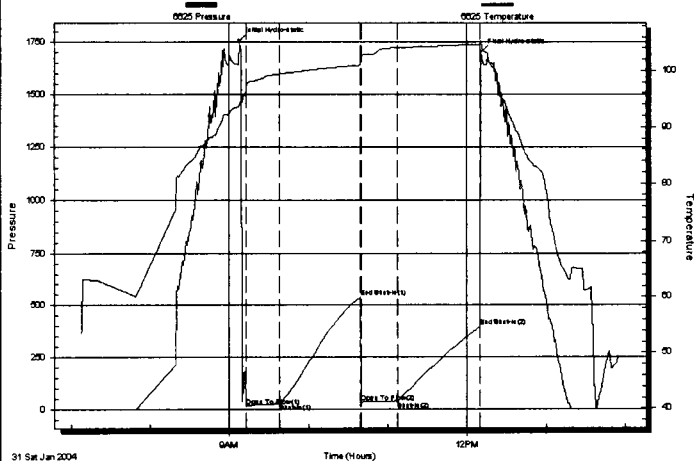
Serial #: 6625

Inside

Press@RunDepth: 37.51 psig @ 3550.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.01.31 End Date: 2004.01.31 Last Calib.: 2004.01.31
Start Time: 07:07:24 End Time: 13:55:48 Time On Btm: 2004.01.31 @ 09:07:19
Time Off Btm: 2004.01.31 @ 12:10:49

TEST COMMENT: IF:Fair blow built to b.o.b of diesel in 5-1/2 mins.
IS:Bled down n for 5 mins.no blow back.
FF:Fair blow b.o.b of diesel in 13-1/2 mins.
FS:Bled down n for 5 mins.no blow back.

Pressure vs. Time



PRESSURE SUMMARY

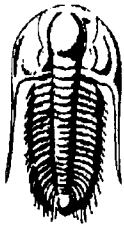
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1756.82	93.94	Initial Hydro-static
6	15.84	97.18	Open To Flow (1)
31	25.96	99.40	Shut-In(1)
92	536.91	100.96	End Shut-In(1)
93	32.07	102.22	Open To Flow (2)
120	37.51	104.03	Shut-In(2)
183	394.75	104.64	End Shut-In(2)
184	1702.21	105.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	240' of gip	0.00
70.00	VSGCM 4% gas 96% mud	0.98

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX, Inc.
150 N. Main suite 1026
Wichita, Ks. 67202
ATTN: Ken LaBlanc

Krehbiel-Nichols#1
24-32S-12W
Job Ticket: 18747 **DST#: 4**
Test Start: 2004.01.31 @ 07:07:19

Tool Information

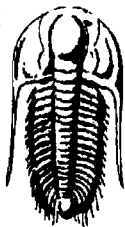
Drill Pipe:	Length: 3534.00 ft	Diameter: 3.80 inches	Volume: 49.57 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 49.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3548.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3525.00	
Shut In Tool	5.00			3530.00	
Hydraulic tool	5.00			3535.00	
Safety Joint	3.00			3538.00	
Packer	5.00			3543.00	24.00 Bottom Of Top Packer
Packer	5.00			3548.00	
Stubb	2.00			3550.00	
Recorder	0.00	6625	Inside	3550.00	
Anchor	17.00			3567.00	
Recorder	0.00	10991	Outside	3567.00	
Bullnose	3.00			3570.00	22.00 Bottom Packers & Anchor

Total Tool Length: 46.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX, Inc.

Krehbiel-Nichols#1

150 N.Main suite 1026
Wichita, Ks. 67202

24-32S-12W

Job Ticket: 18747

DST#: 4

ATTN: Ken LaBlanc

Test Start: 2004.01.31 @ 07:07:19

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in³

Gas Cushion Type:

Resistivity: 0.50 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10400.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	240' of gip	0.000
70.00	VSGCM 4% gas 96% mud	0.982

Total Length: 70.00 ft Total Volume: 0.982 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

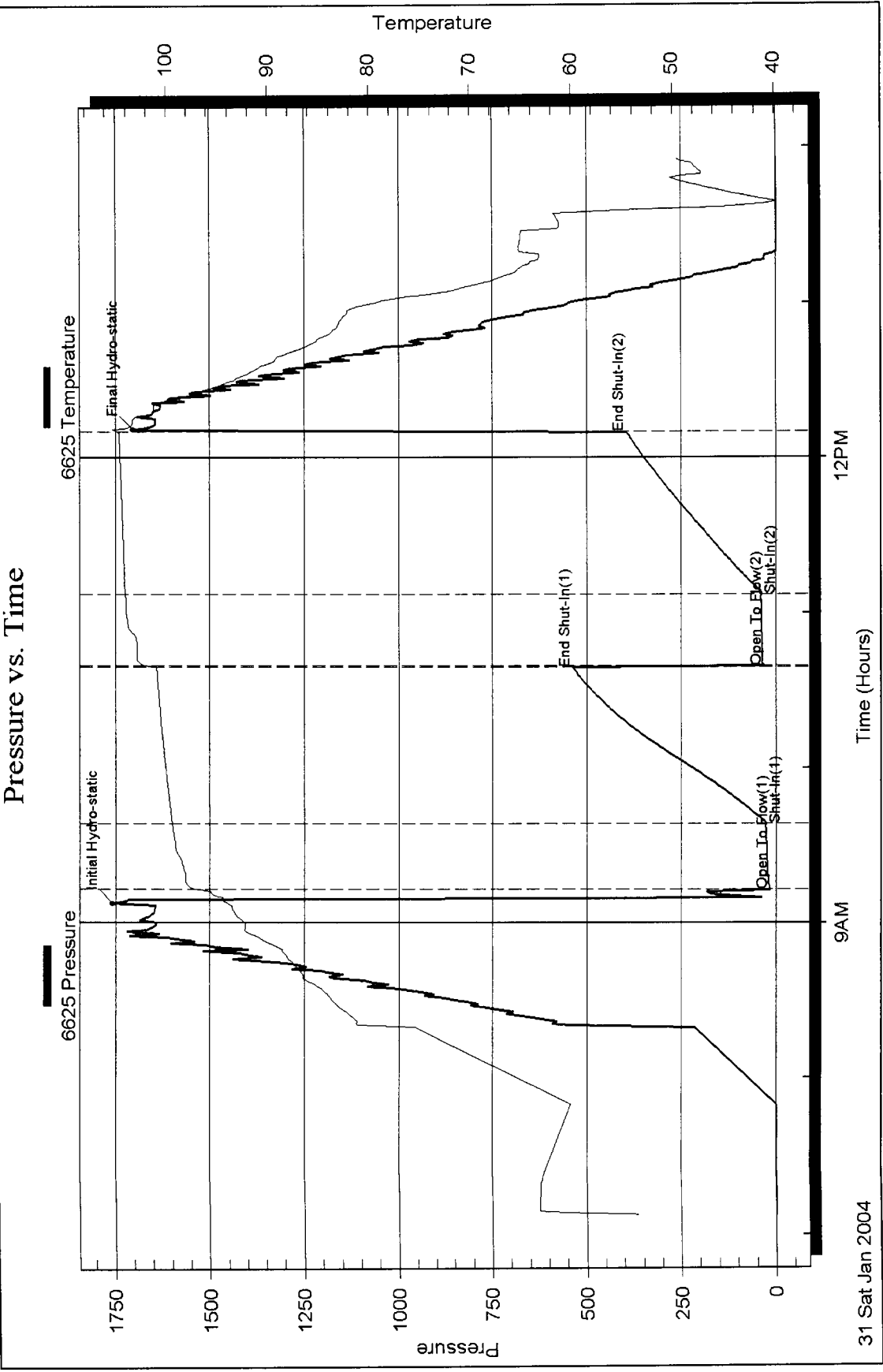
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

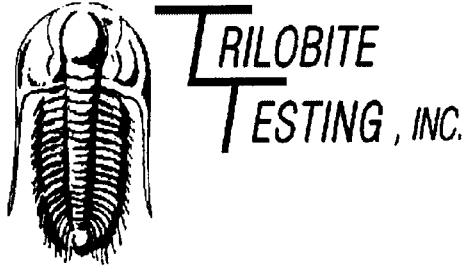


31 Sat Jan 2004

9AM

12PM

Time (Hours)



DRILL STEM TEST REPORT

Prepared For: **CMX, Inc.**

150 N. Main suite 1026
Wichita, Ks. 67202

ATTN: Ken LaBlanc

24-32S-12W

Krehbiel-Nichols#1

Start Date: 2004.02.03 @ 09:18:54

End Date: 2004.02.03 @ 17:30:54

Job Ticket #: 18748 DST #: 5

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

CMX, Inc.
150 N. Main suite 1026
Wichita, Ks. 67202
ATTN: Ken LaBlanc

Krehbiel-Nichols#1
24-32S-12W
Job Ticket: 18748 **DST#: 5**
Test Start: 2004.02.03 @ 09:18:54

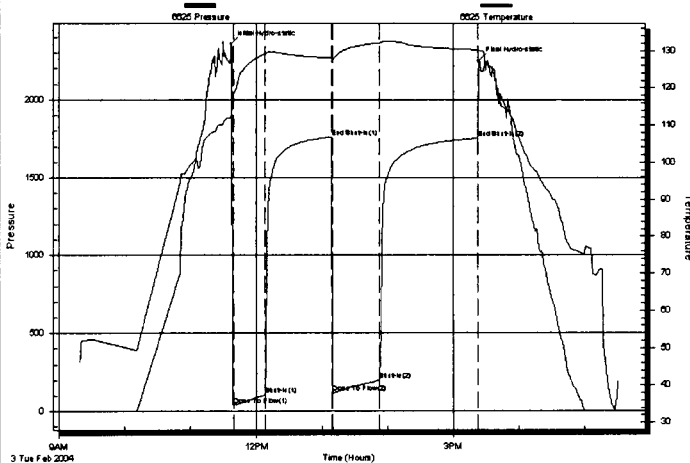
GENERAL INFORMATION:

Formation: **Simpson S St.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:39:39
Time Test Ended: 17:30:54
Interval: **4630.00 ft (KB) To 4645.00 ft (KB) (TVD)**
Total Depth: 4645.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Darren L. Amerine
Unit No: 19
Reference Elevations: 1442.00 ft (KB)
1433.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 6625 Inside
Press@RunDepth: 200.29 psig @ 4632.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2004.02.03 End Date: 2004.02.03 Last Calib.: 2004.02.03
Start Time: 09:18:59 End Time: 17:30:53 Time On Btm: 2004.02.03 @ 11:37:24
Time Off Btm: 2004.02.03 @ 15:23:39

TEST COMMENT: IF: Strong blow b.o.b of diesel in 22 sec.
IS: Bled down n for 2-1/2 mins. Built back to 1-1/2" in diesel bucket.
FF: Fair blow b.o.b of diesel bucket in 6 mins.
FS: Bled down n for 10 mins. built back to

Pressure vs. Time



PRESSURE SUMMARY

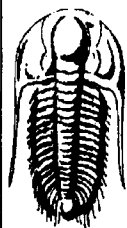
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2357.02	112.50	Initial Hydro-static
3	38.20	118.13	Open To Flow (1)
31	104.58	129.12	Shut-In (1)
92	1760.94	128.02	End Shut-In (1)
93	117.08	127.28	Open To Flow (2)
136	200.29	132.08	Shut-In (2)
226	1752.34	130.23	End Shut-In (2)
227	2249.87	130.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	2666' of gip	0.00
316.00	SGCW 10% gas 90% mud	4.43
90.00	SO&GCM 4% gas 2% oil 94% mud	1.26

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

CMX, Inc.
150 N. Main suite 1026
Wichita, Ks. 67202
ATTN: Ken LaBlanc

Krehbiel-Nichols#1
24-32S-12W
Job Ticket: 18748 **DST#: 5**
Test Start: 2004.02.03 @ 09:18:54

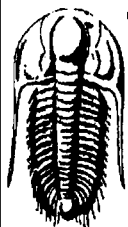
Tool Information

Drill Pipe:	Length: 4636.00 ft	Diameter: 3.80 inches	Volume: 65.03 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 65.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4630.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4607.00	
Shut In Tool	5.00			4612.00	
Hydraulic tool	5.00			4617.00	
Safety Joint	3.00			4620.00	
Packer	5.00			4625.00	24.00 Bottom Of Top Packer
Packer	5.00			4630.00	
Stubb	2.00			4632.00	
Recorder	0.00	6625	Inside	4632.00	
Anchor	10.00			4642.00	
Recorder	0.00	10991	Outside	4642.00	
Bullnose	3.00			4645.00	15.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

CMX, Inc.

Krehbiel-Nichols#1

150 N.Main suite 1026
Wichita, Ks. 67202

24-32S-12W

Job Ticket: 18748

DST#: 5

ATTN: Ken LaBlanc

Test Start: 2004.02.03 @ 09:18:54

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

180000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: 0.80 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7200.00 ppm

Filter Cake: 0.32 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2666' of gip	0.000
316.00	SGCW 10% gas 90% mud	4.433
90.00	SO&GCM 4% gas 2% oil 94% mud	1.262

Total Length: 406.00 ft Total Volume: 5.695 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .05@70'=180000

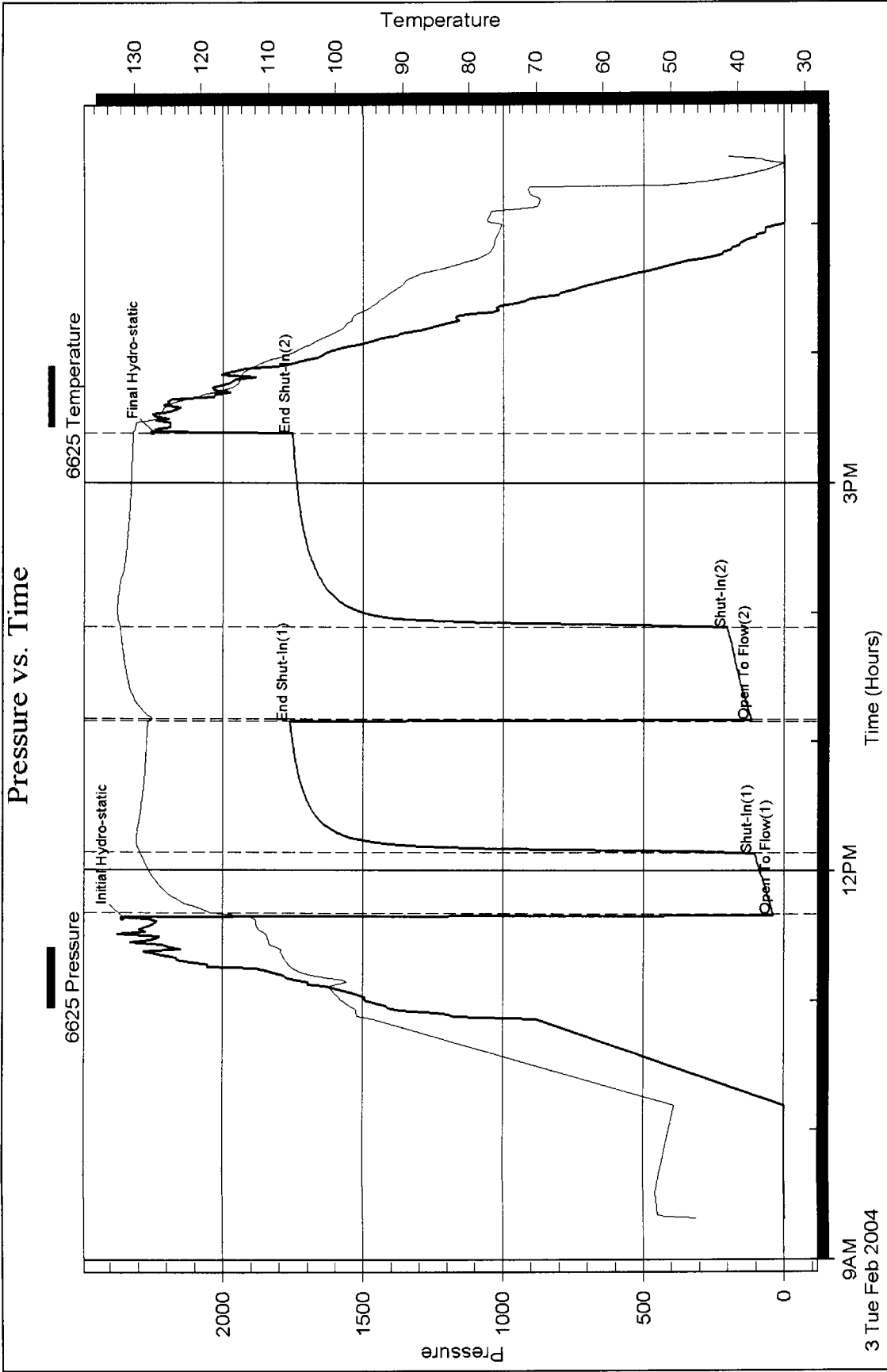
Serial #: 6625

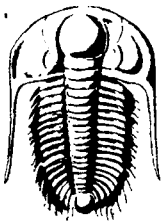
Inside CMX, Inc.

24-32S-12W

DST Test Number: 5

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 18744

Test Ticket

Well Name & No. Krehbiel - Nichols #1 Test No. #1 Date 1-29-04
 Company CMX, Inc. 150 N. Main Suite 1026 Zone Tested Elgin Sd.
 Address Wichita, Ks. 67202 Elevation 1442 KB 1433 GL
 Co. Rep / Geo. Ken LaBlanc Cont. Dutke #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 24 Twp. 32^S Rge. 12^W Co. Barber Co. State Ks
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3320' - 3410' Initial Str Wt./Lbs. 46000 Unseated Str Wt./Lbs. 46000
 Anchor Length 90' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3315' Tool Weight 2100
 Bottom Packer Depth 3320' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 3410' Wt. Pipe Run N/A Drill Collar Run N/A
 Mud Wt. 9.0 LCM 0 Vis. 60 WL 8.0 Drill Pipe Size 4 1/2 X H Ft. Run 3316'

Blow Description IF: Weak surface blow.
ISI: Bled down no blow back
Gas in pipe drill pipe had plug in it. 1st out

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
Rec. <u>140'</u>	Feet of <u>416CM</u>	<u>10</u> %gas	%oil %water <u>90</u> %mud
Rec. <u>3146'</u>	Feet of <u>6TP</u>	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud
Rec. _____	Feet of _____	%gas	%oil %water %mud

BHT 108° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5200 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1583</u>	PSI	<u>6625</u>	✓ <u>700</u>
(B) First Initial Flow Pressure	<u>83</u>	PSI	(depth) <u>3322'</u>	Elec. Rec. ✓ <u>150</u>
(C) First Final Flow Pressure	<u>130</u>	PSI	Recorder No. <u>10991</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1113</u>	PSI	(depth) <u>3343'</u>	Safety Jt. ✓ <u>50</u>
(E) Second Initial Flow Pressure		PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		PSI	Initial Opening <u>15</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1538</u>	PSI	Initial Shut-In <u>30</u>	Ext. Packer _____

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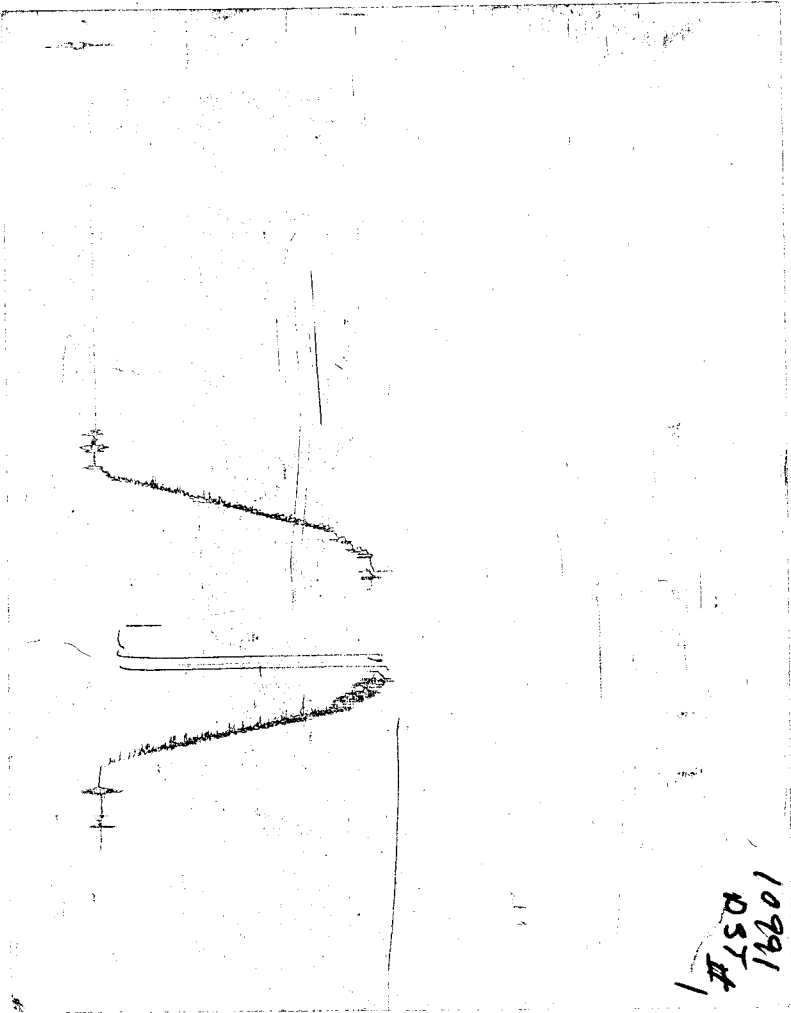
Approved By Ken LaBlanc
 Our Representative Darren Plummer

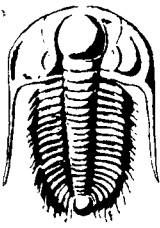
T-On Location 1230
 T-Started 1359
 T-Open 1630
 T-Pulled 1750
 T-Out 1924

Mileage 37H 62.90
 Sub Total: 962.90
 Std. By _____
 Other _____
 Total: _____

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

N^o 18745

05/03

Test Ticket

Well Name & No. Krehbiel-Nichols #1 Test No. #2 Date 1-29-04
 Company CMX, Inc. 150 N. Main Suite 1024 Zone Tested Elgin Sd.
 Address Wichita, KS. 67202 Elevation 1442 KB 1433 GL
 Co. Rep / Geo. Ken LaBlanc Cont. Duke #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 24 Twp. 32S Rge. 12W Co. Barber, Co. State KS
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3320' - 3410' Initial Str Wt./Lbs. 46,000 Unseated Str Wt/Lbs 16,000
 Anchor Length 90' Wt. Set Lbs. 29,000 Wt. Pulled Loose/Lbs 50,000
 Top Packer Depth 3315' Tool Weight 2100
 Bottom Packer Depth 3320 Hole Size 7 7/8" Rubber Size 6 3/4" ✓
 Total Depth 3410' Wt. Pipe Run N/A Drill Collar Run N/A
 Mud Wt. 9.0 LCM 0 Vis. 60 WL 8.0 Drill Pipe Size 4 1/2 x H Ft. Run 3316'

Blow Description IF: Strong blow b.o.b of diesel in 15 Sec. GTS in 20 min Gauge Gas.
ISI: Bled down for 10 mins. No blow back.
FF: Strong blow b.o.b of diesel in 10 Sec. Gauge
FST: Bled down for 5 mins.

Recovery - Total Feet 190' GIP 3126' Ft. in DC N/A Ft. in DP 190'
 Rec. 190' Feet of 6CM 10 %gas %oil %water 90 %mud
 Rec. 3126' Feet of GTP %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 Rec. _____ Feet of _____ %gas %oil %water %mud
 BHT 109 °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 5200 ppm System

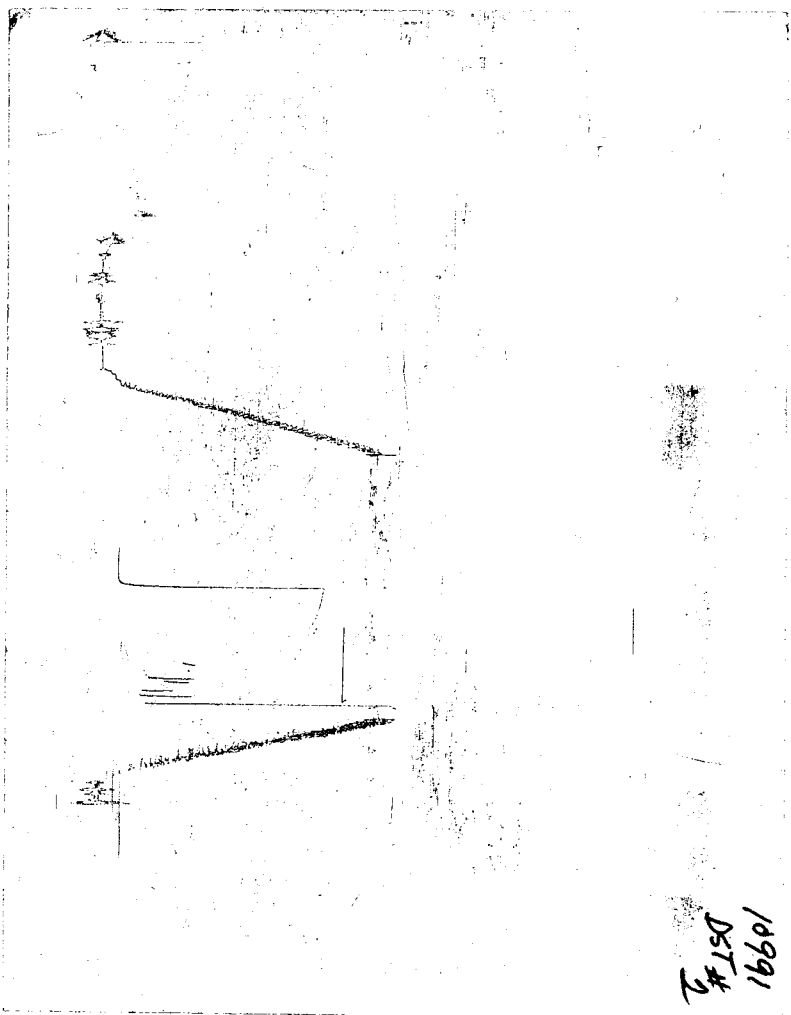
	AK-1	Alpine	PSI	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1603</u>		<u>6625</u>	✓
(B) First Initial Flow Pressure		<u>243</u>		(depth) <u>3322'</u>	Elec. Rec. ✓
(C) First Final Flow Pressure		<u>467</u>		Recorder No. <u>10991</u>	Jars
(D) Initial Shut-In Pressure		<u>1257</u>		(depth) <u>3343'</u>	Safety Jt. ✓
(E) Second Initial Flow Pressure		<u>89</u>		Recorder No. _____	Circ Sub
(F) Second Final Flow Pressure		<u>100</u>		(depth) _____	Sampler
(G) Final Shut-In Pressure		<u>1194</u>		Initial Opening <u>30</u>	Straddle
(Q) Final Hydrostatic Mud		<u>1571</u>		Initial Shut-In <u>60</u>	Ext. Packer
				Final Flow <u>30</u>	Shale Packer
				Final Shut-In <u>60</u>	Mileage
				T-On Location <u>1230</u>	Sub Total: _____
				T-Started <u>1930</u>	Std. By <u>962.90</u>
				T-Open <u>2100</u>	Other <u>5</u> <u>120</u>
				T-Pulled <u>0000</u>	Total: <u>60</u>
				T-Out <u>0146</u>	

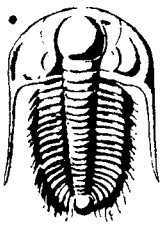
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Approved By Ken LaBlanc
 Our Representative Dave Somers

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 18746

05/03

Test Ticket

Well Name & No. Krehbiel - Nichols #1 Test No. #3 Date 1-30-04
 Company CMX, Inc 150 N. Main Suite 1026 Zone Tested Snyderville SS
 Address Wichita, KS 67202 Elevation 1442 KB 1433 GL
 Co. Rep / Geo. Ken LaBlanc Cont. Duke #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 24 Twp. 32S Rge. 12W Co. Barber, Co. State KS
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3480-3540 Initial Str Wt./Lbs. 46000 Unseated Str Wt./Lbs. 46000
 Anchor Length 60 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 55000
 Top Packer Depth 3475 Tool Weight 2100
 Bottom Packer Depth 3480 Hole Size 7 7/8" Rubber Size 6 3/4" ✓
 Total Depth 3540 Wt. Pipe Run N/A Drill Collar Run N/A
 Mud Wt. 9.0 LCM _____ Vis. 52 WL 8.8 Drill Pipe Size 4 1/2 x H Ft. Run 3476.0
 Blow Description IF: Strong blow b.o.b of diesel in 5 3/4 mins.
ISI: Blow down for 5 mins. No blow back.
FF: Strong blow b.o.b in 10 sec.
FST: Blow down for 5 mins. No blow back.
 Recovery - Total Feet 45' GIP 3431' Ft. in DC N/A Ft. in DP 45
 Rec. 45' Feet of SGCM %gas 6 %oil _____ %water 94 %mud _____
 Rec. 3431' Feet of OIP %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 107° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 7400 ppm System

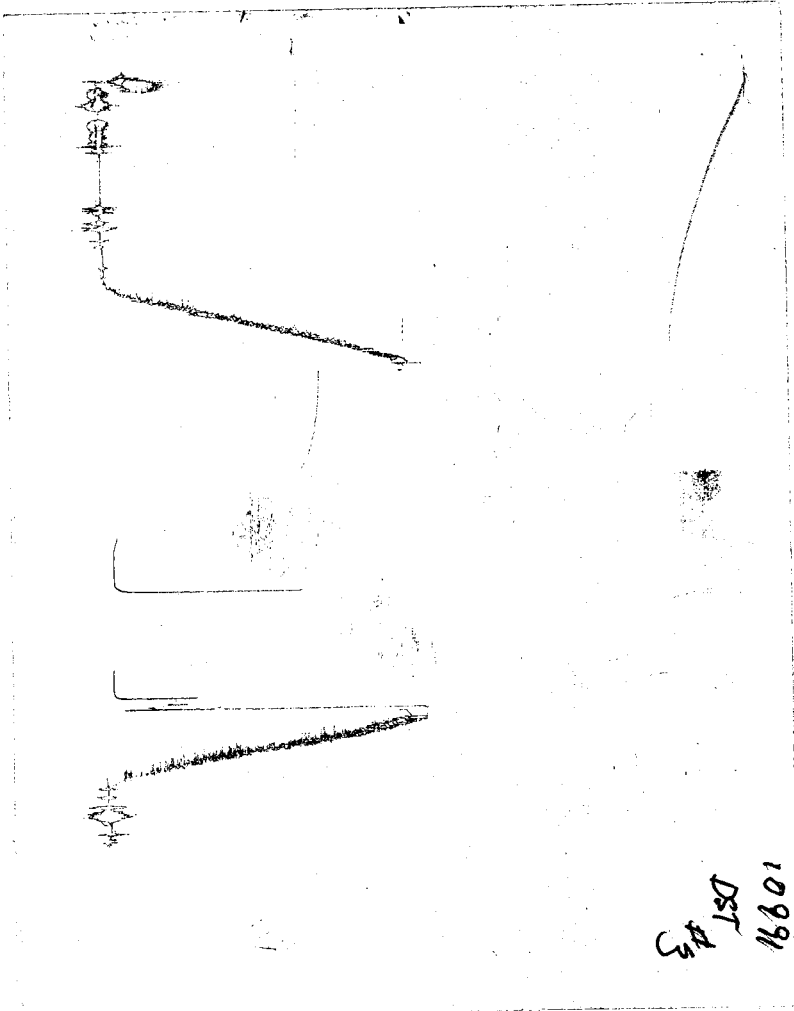
	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1702</u> PSI	<u>6625</u>	✓
(B) First Initial Flow Pressure		<u>55</u> PSI	(depth) <u>3482'</u>	Elec. Rec. ✓
(C) First Final Flow Pressure		<u>21</u> PSI	Recorder No. <u>10991</u>	Jars _____
(D) Initial Shut-In Pressure		<u>1088</u> PSI	(depth) <u>3503</u>	Safety Jt. ✓
(E) Second Initial Flow Pressure		<u>41</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure		<u>66</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure		<u>1182</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1627</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
			Final Flow <u>45</u>	Shale Packer _____
			Final Shut-In <u>620</u>	Mileage _____
			T-On Location <u>1330</u>	Sub Total: <u>962.90</u>
			T-Started <u>1421</u>	Std. By <u>126</u> <u>45</u>
			T-Open <u>1636</u>	Other _____
			T-Pulled <u>2051</u>	Total: <u>1007.90</u>
			T-Out <u>2256</u>	

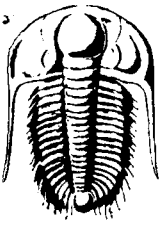
Approved By [Signature]
 Our Representative [Signature]

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CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

N^o 18747

05/03

Test Ticket

Well Name & No. Krehbiel-Nichols #1 Test No. #4 Date 1-31-04
 Company CMX, Inc. 150 N. Main Suite 1026 Zone Tested Douglas SS
 Address Wichita, Ks. 67202 Elevation 1442 KB 1433 GL
 Co. Rep / Geo. Ken LaBlanc Cont. Duke #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 24 Twp. 32S Rge. 12W Co. Barber, Co. State Ks
 No. of Copies 5 Disbtribution Sheet (Y, N) ✓ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 3548' - 3570' Initial Str Wt./Lbs. 18000 Unseated Str Wt/Lbs. 18000
 Anchor Length 22' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 3543' Tool Weight 2100
 Bottom Packer Depth 3548' Hole Size 7 7/8" Rubber Size 6 3/4" ✓
 Total Depth 3570' Wt. Pipe Run N/A Drill Collar Run N/A
 Mud Wt. 9.1 LCM 0 Vis. 48 WL 10.4 Drill Pipe Size 4 1/2 x 14 Ft. Run 3534'

Blow Description IF: Fair blow b.o.b of diesel in 5 1/2 mins.
IST: Bled down 5 mins. No blow.
FF: Fair blow b.o.b of diesel in 13 1/2 mins.
FST: Bled down for 5 mins. No blow back.

Recovery - Total Feet 70' GIP 240' Ft. in DC N/A Ft. in DP 70'
 Rec. 70' Feet of US6CM %gas _____ %oil _____ %water 96 %mud _____
 Rec. 240' Feet of GIP %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 Rec. _____ Feet of _____ %gas _____ %oil _____ %water _____ %mud _____
 BHT 105° °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 10,400 ppm System

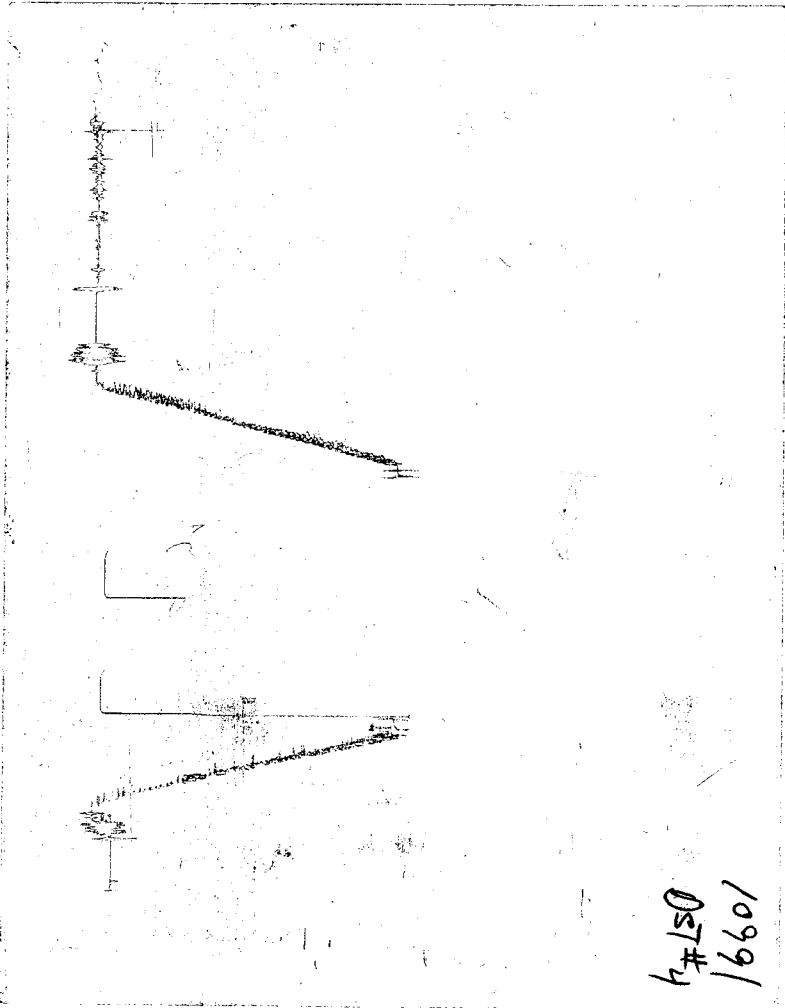
	AK-1	Alpine				
(A) Initial Hydrostatic Mud		<u>1757</u>	PSI	Recorder No.	<u>6625</u>	Test <u>✓</u>
(B) First Initial Flow Pressure		<u>16</u>	PSI	(depth)	<u>3550'</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure		<u>26</u>	PSI	Recorder No.	<u>10991</u>	Jars _____
(D) Initial Shut-In Pressure		<u>537</u>	PSI	(depth)	<u>3567'</u>	Safety Jt. <u>✓</u>
(E) Second Initial Flow Pressure		<u>32</u>	PSI	Recorder No.		Circ Sub _____
(F) Second Final Flow Pressure		<u>38</u>	PSI	(depth)		Sampler _____
(G) Final Shut-In Pressure		<u>395</u>	PSI	Initial Opening	<u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud		<u>1702</u>	PSI	Initial Shut-In	<u>60</u>	Ext. Packer _____
				Final Flow	<u>30</u>	Shale Packer _____
				Final Shut-In	<u>60</u>	Mileage _____
				T-On Location	<u>0700</u>	Sub Total: <u>962.90</u>
				T-Started	<u>0707</u>	Std. By _____
				T-Open	<u>0916</u>	Other _____
				T-Pulled	<u>1216</u>	Total: _____
				T-Out	<u>1355</u>	

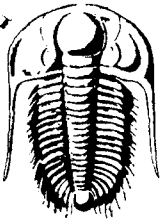
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Approved By Ken LaBlanc
 Our Representative Darren L. Lerner

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

N^o 18748

05/03

Test Ticket

Well Name & No. Krehbiel - Nichols #1 Test No. # 5 Date 2-3-04
 Company CMX, Inc. 150 N. Main Suite 1026 Zone Tested Barber, Simpson, S.S.
 Address Wichita, KS 67202 Elevation 1442 KB 1433 GL
 Co. Rep / Geo. Ken LaBlanc Cont. Duke #4 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 24 Twp. 32S Rge. 12W Co. Barber, Co. State KS
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4630' - 4645' Initial Str Wt./Lbs. 56,000 Unseated Str Wt./Lbs. 56,000
 Anchor Length 15' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 60,000
 Top Packer Depth 4625' Tool Weight 2100
 Bottom Packer Depth 4630' Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓
 Total Depth 4645' Wt. Pipe Run N/A Drill Collar Run N/A
 Mud Wt. 9.3 LCM 0 Vis. 50 WL 10.4 Drill Pipe Size 4 1/2 XH Ft. Run 4636'

Blow Description IF: Strong blow b.o.p. of diesel in 22 sec.
ISI: Bleed down for 2 1/2 min. Built back to 1 1/2" in diesel bucket.
FF: Fair blow built to 10.6 of diesel in 6 min.
FBI: Bleed down for 10 min. Built back to 1 1/2" in diesel bucket.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>406'</u>	<u>2666'</u>	<u>N/A</u>	<u>406'</u>
Rec. <u>90'</u>	Feet of <u>306 CM</u>	<u>4 %gas</u>	<u>2 %oil</u>
Rec. <u>316'</u>	Feet of <u>Oil Salt water</u>	<u>10 %gas</u>	<u>90 %water</u>
Rec. <u>2666'</u>	Feet of <u>GIP</u>	<u>%gas</u>	<u>%oil</u>
Rec. _____	Feet of _____	<u>%gas</u>	<u>%oil</u>
Rec. _____	Feet of _____	<u>%gas</u>	<u>%oil</u>
BHT <u>130</u>	°F Gravity _____	*API D @ _____	°F Corrected Gravity _____
RW <u>.05</u>	@ <u>70</u> °F	Chlorides <u>180,000</u> ppm	Recovery _____ Chlorides <u>7,200</u> ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2357</u> PSI	<u>6625</u>	<u>✓</u>
(B) First Initial Flow Pressure	<u>38</u> PSI	(depth) <u>4632'</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>105</u> PSI	Recorder No. <u>10991</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1761</u> PSI	(depth) <u>4642'</u>	Safety Jt. <u>✓</u>
(E) Second Initial Flow Pressure	<u>117</u> PSI	Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>200</u> PSI	(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1752</u> PSI	Initial Opening <u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>2250</u> PSI	Initial Shut-In <u>60</u>	Ext. Packer _____
		Final Flow <u>45</u>	Shale Packer _____
		Final Shut-In <u>90</u>	Mileage _____
		T-On Location <u>0905</u>	Sub Total: <u>1062.90</u>
		T-Started <u>0919</u>	Std. By _____
		T-Open <u>1145</u>	Other _____
		T-Pulled <u>1530</u>	Total: _____
		T-Out <u>1731</u>	

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Approved By [Signature]
 Our Representative Darren [Signature]

CHART PAGE

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